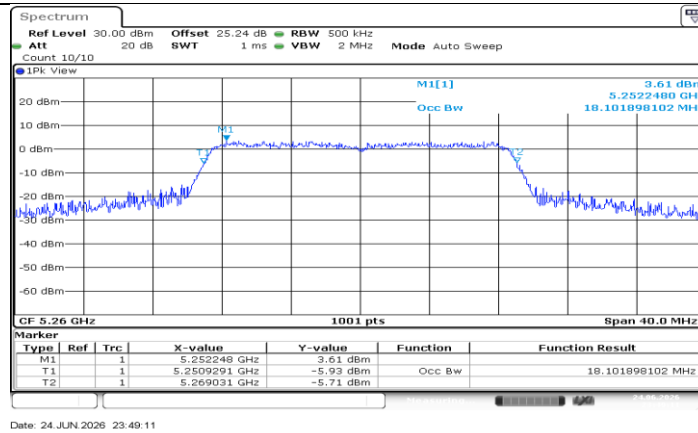
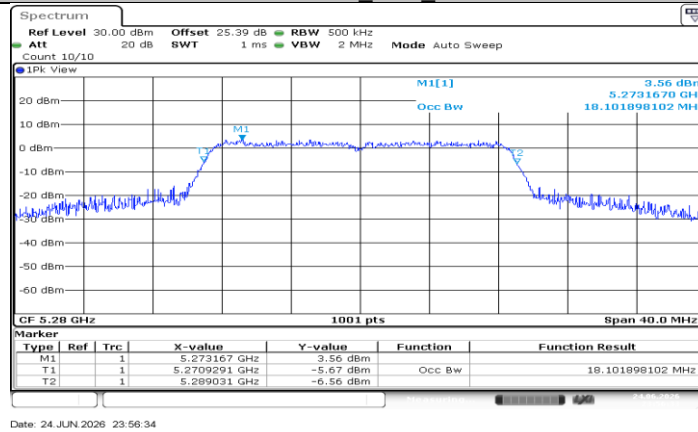
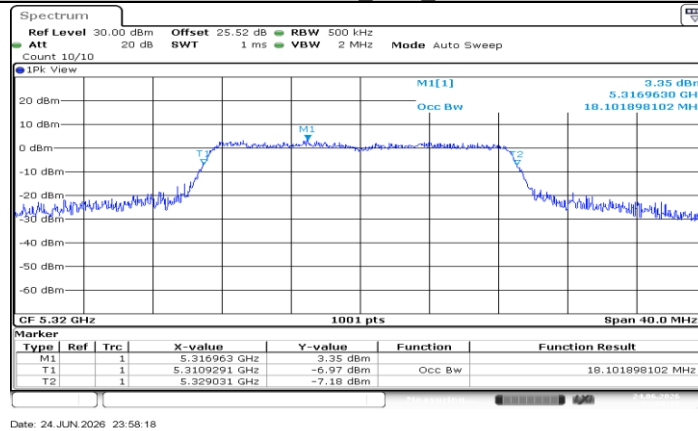




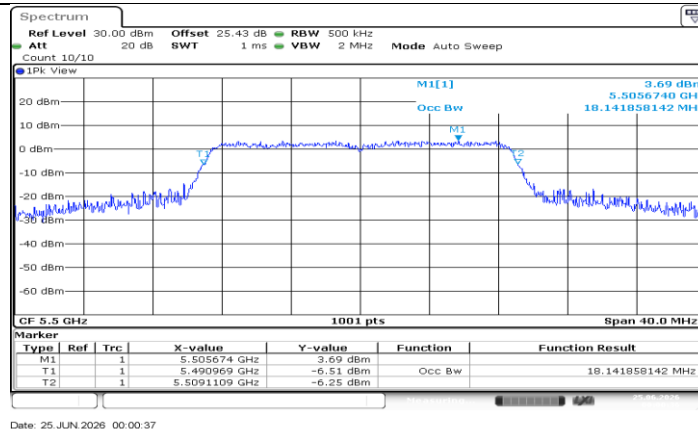
11N20SISO_Ant1_5260



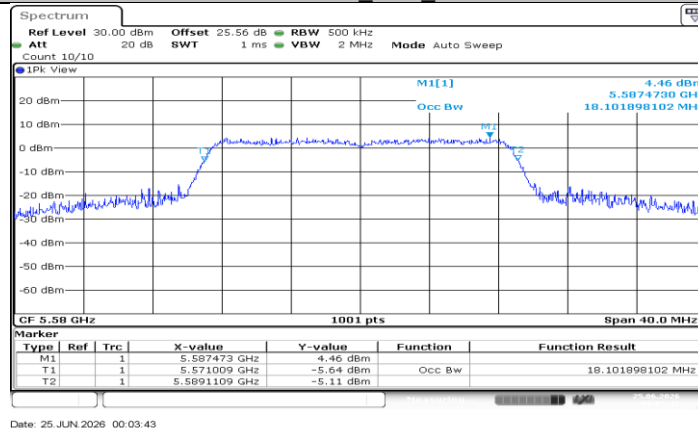
11N20SISO_Ant1_5280



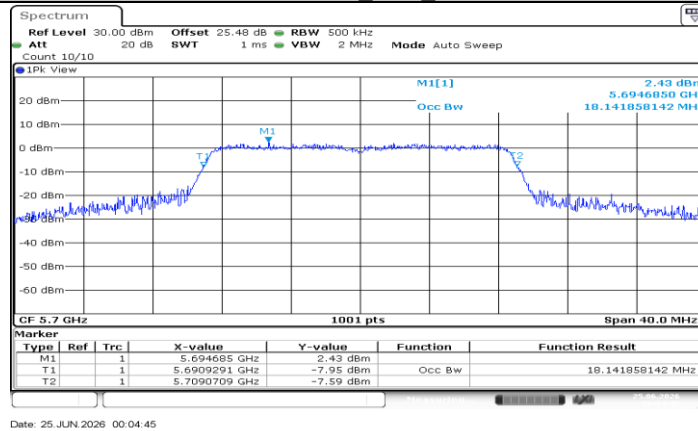
11N20SISO_Ant1_5320



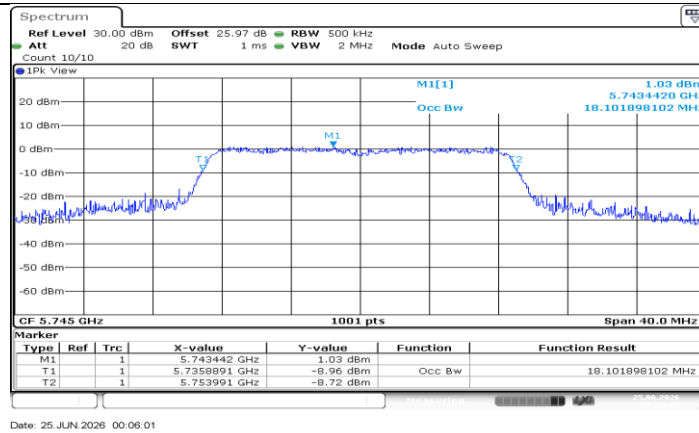
11N20SISO_Ant1_5500



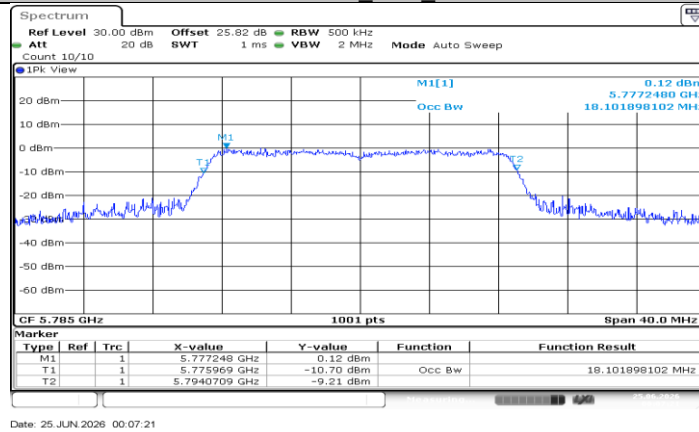
11N20SISO_Ant1_5580



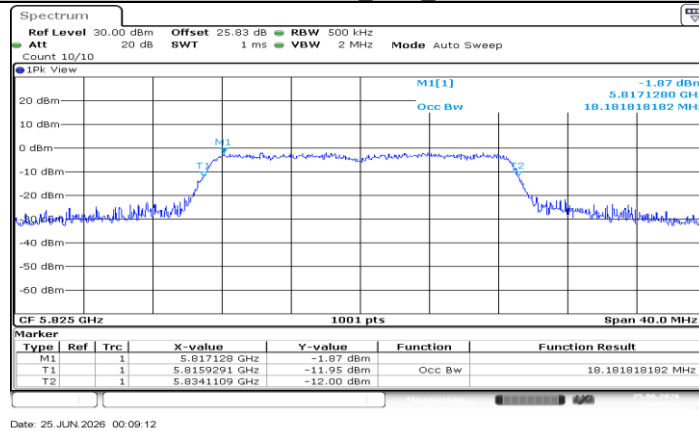
11N20SISO_Ant1_5700



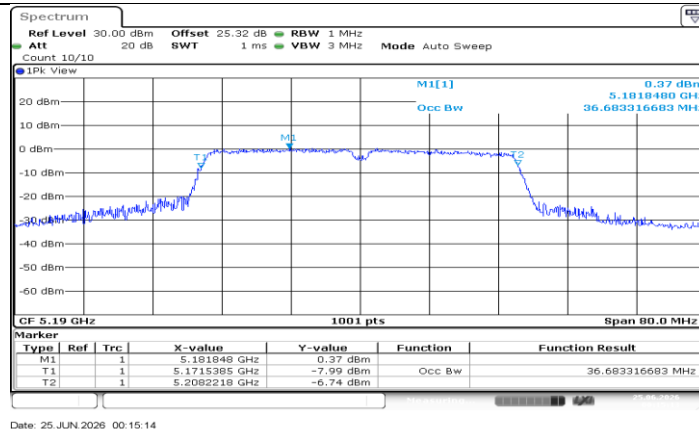
11N20SISO_Ant1_5745



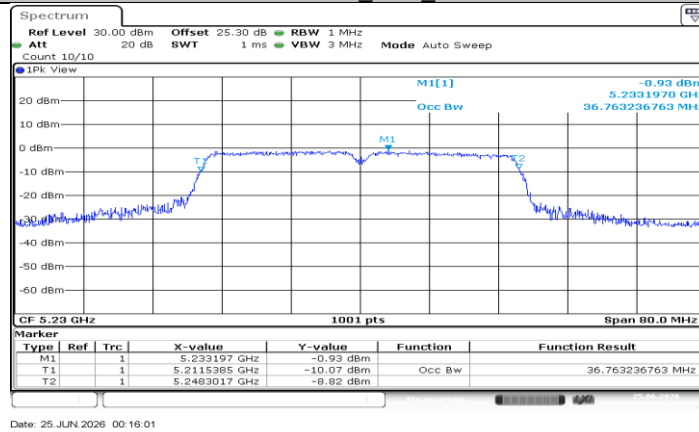
11N20SISO_Ant1_5785



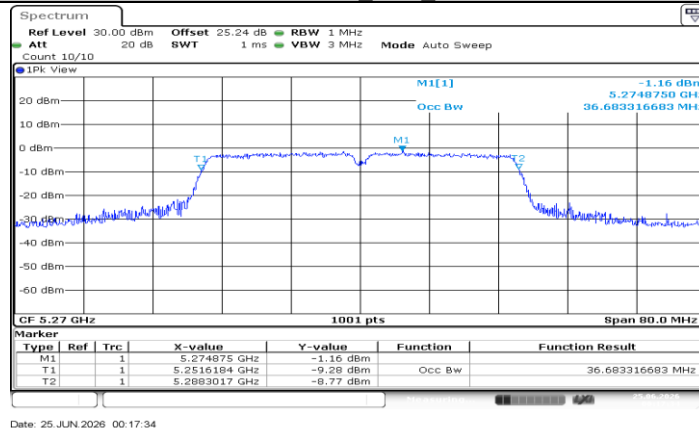
11N20SISO_Ant1_5825



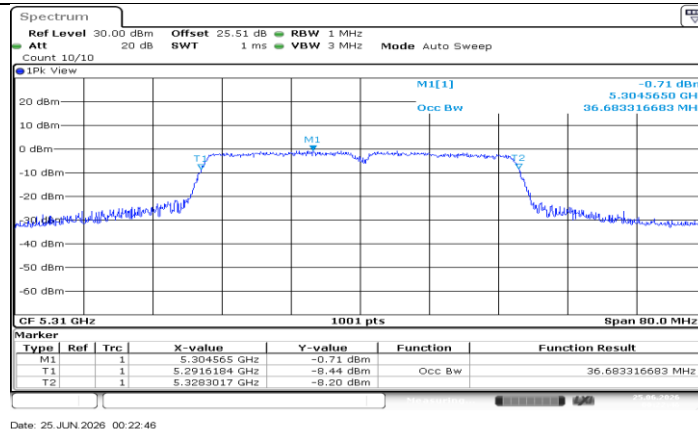
11N40SISO_Ant1_5190



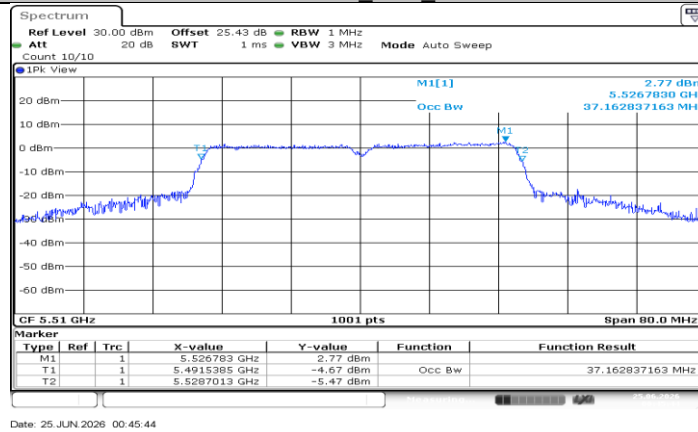
11N40SISO_Ant1_5230



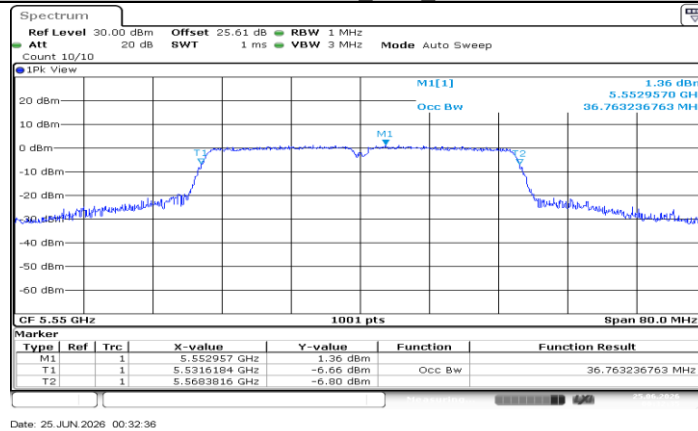
11N40SISO_Ant1_5270



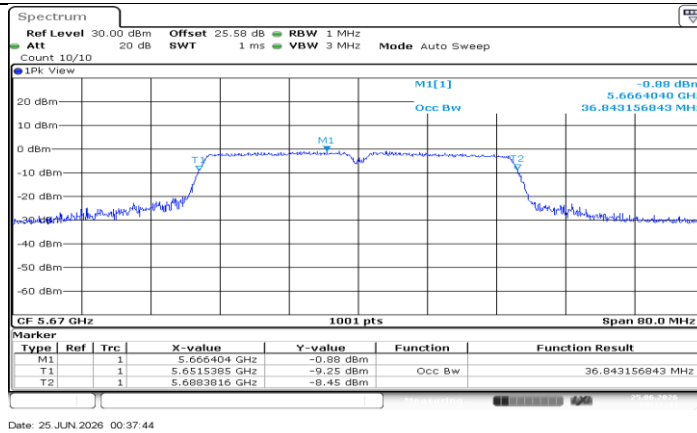
11N40SISO_Ant1_5310



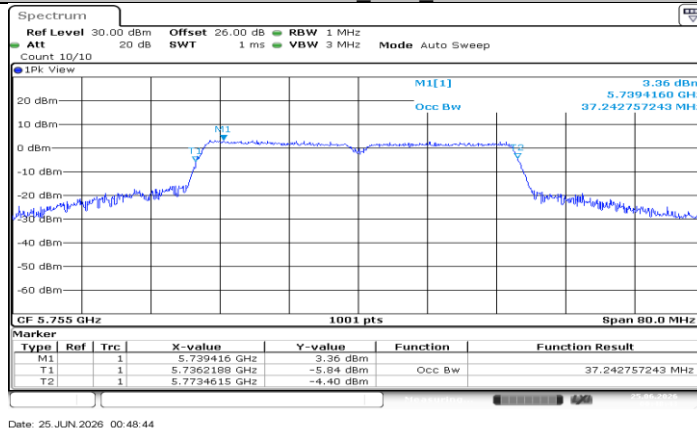
11N40SISO_Ant1_5510



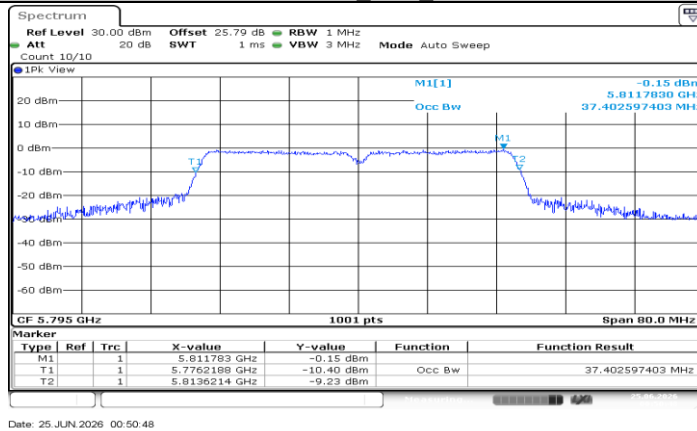
11N40SISO_Ant1_5550



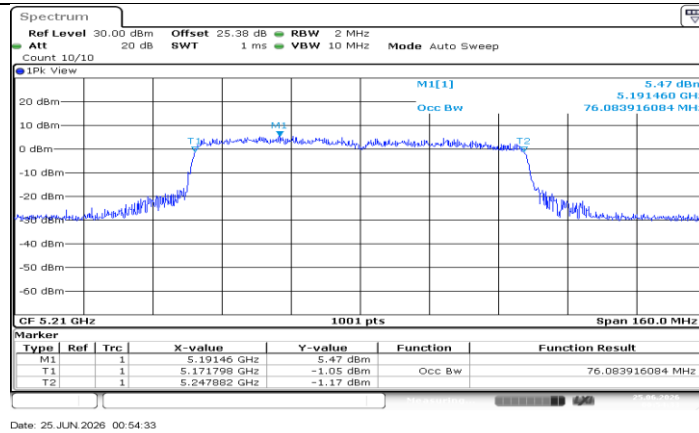
11N40SISO_Ant1_5670



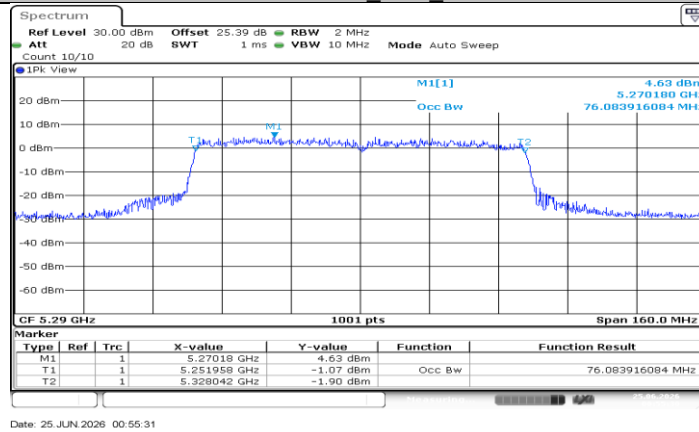
11N40SISO_Ant1_5755



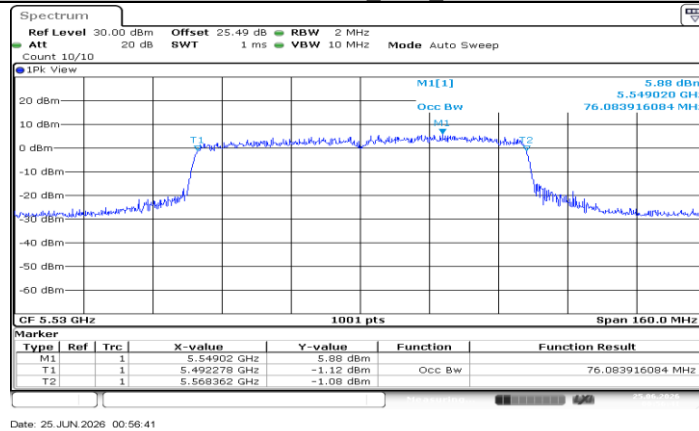
11N40SISO_Ant1_5795



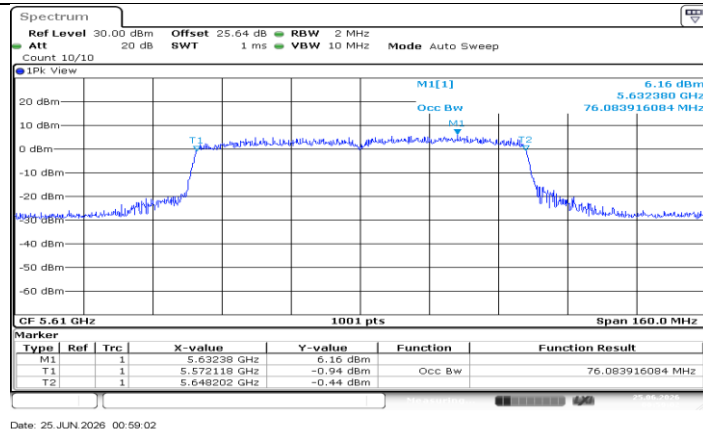
11AC80SISO_Ant1_5210



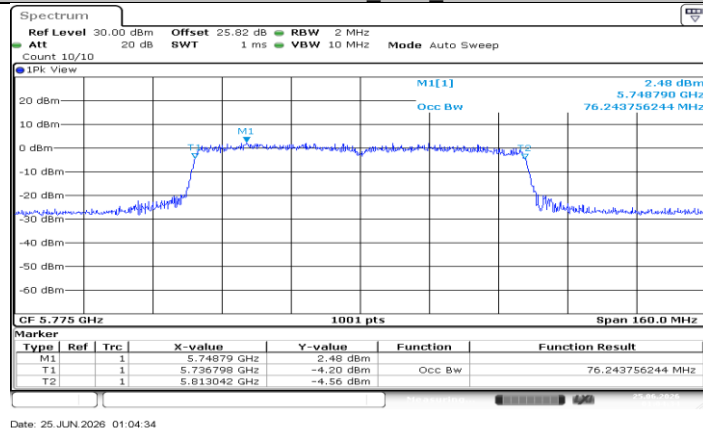
11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO Ant1_5610



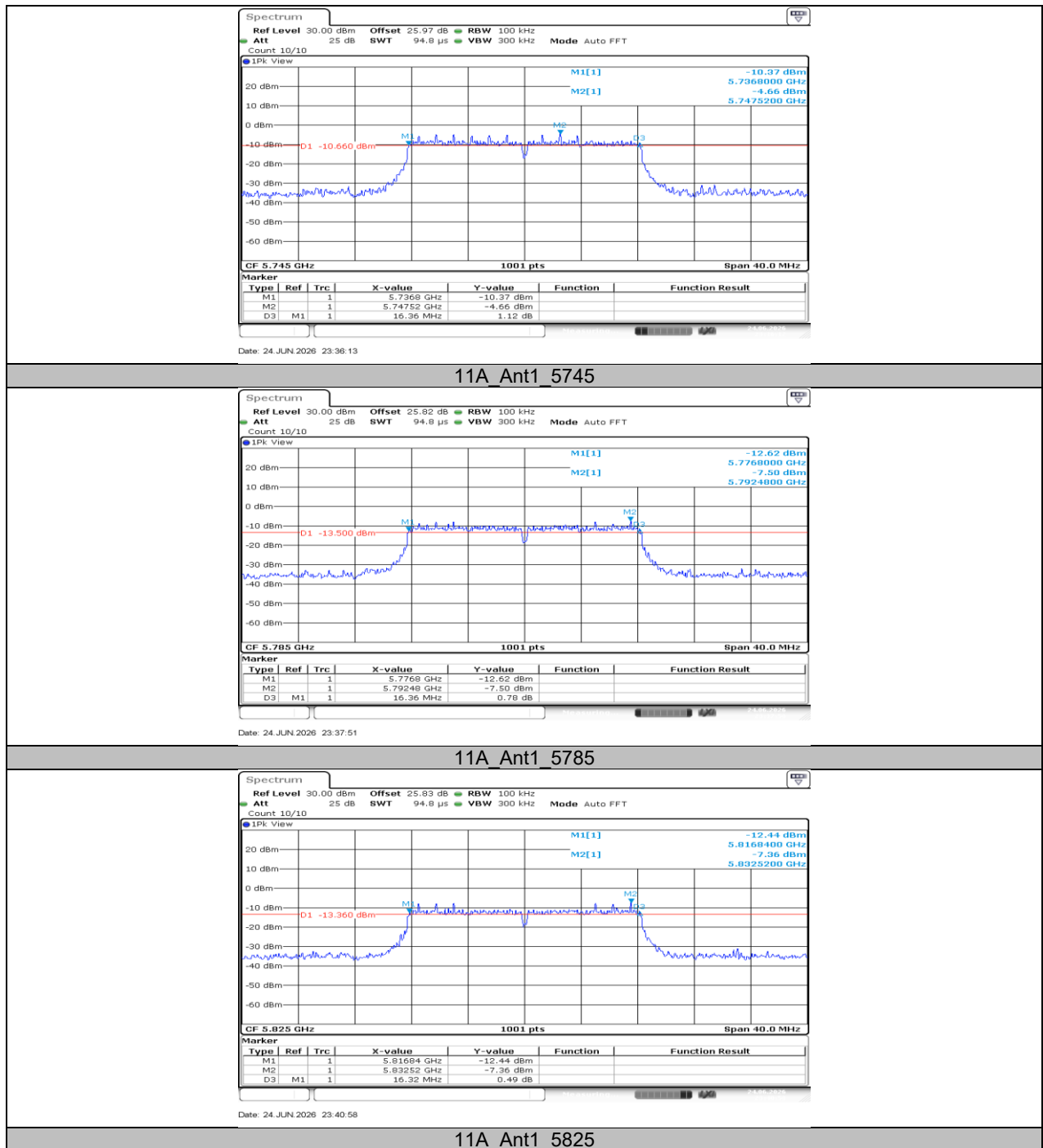
11AC80SISO Ant1_5775

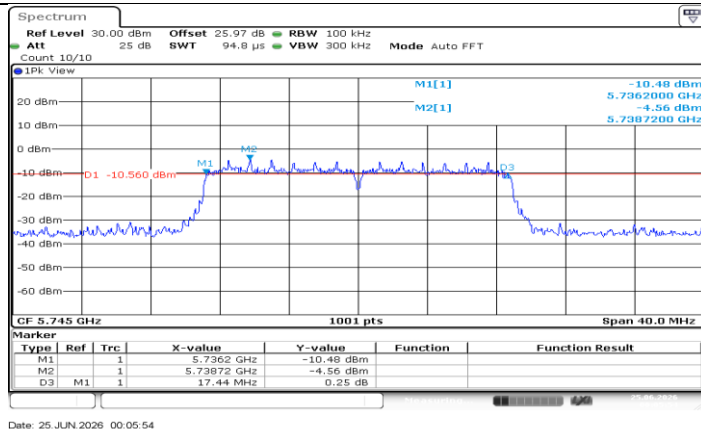
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

11.3.1. Test Result

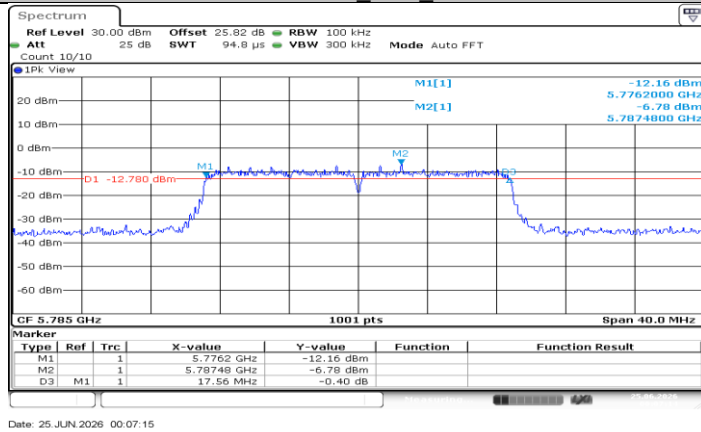
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	≥0.5	PASS
		5785	16.36	5776.80	5793.16	≥0.5	PASS
		5825	16.32	5816.84	5833.16	≥0.5	PASS
11N20SISO	Ant1	5745	17.44	5736.20	5753.64	≥0.5	PASS
		5785	17.56	5776.20	5793.76	≥0.5	PASS
		5825	17.60	5816.20	5833.80	≥0.5	PASS
11N40SISO	Ant1	5755	36.08	5736.92	5773.00	≥0.5	PASS
		5795	36.24	5776.84	5813.08	≥0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	≥0.5	PASS

11.3.2. Test Graphs

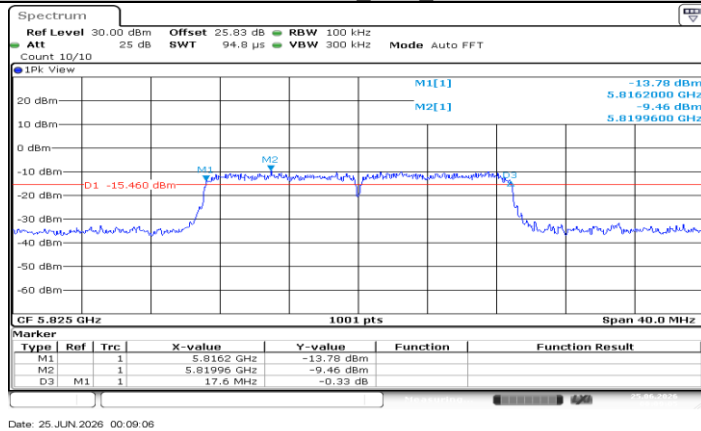




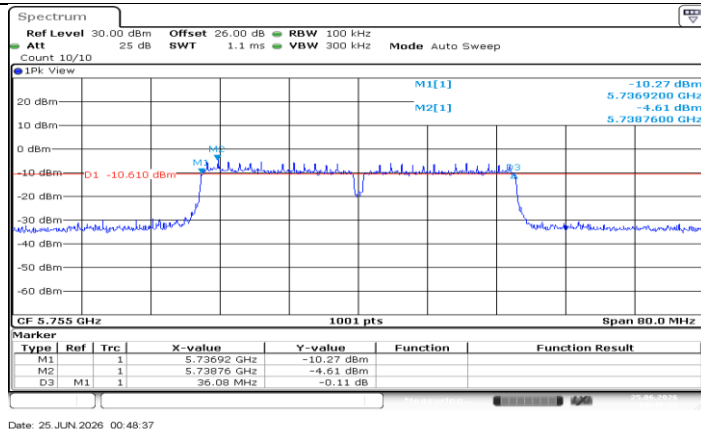
11N20SISO_Ant1_5745



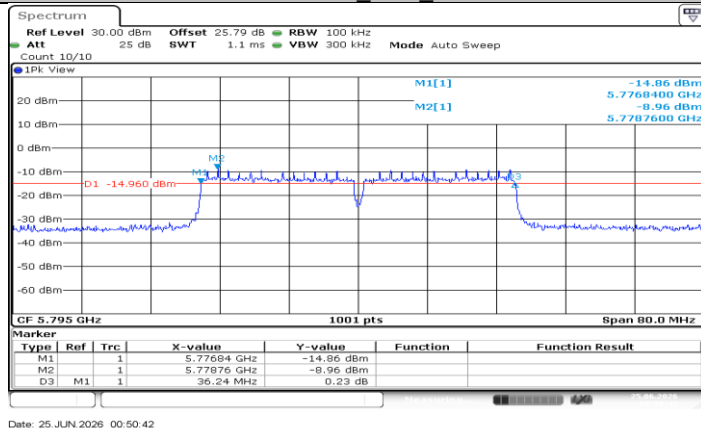
11N20SISO_Ant1_5785



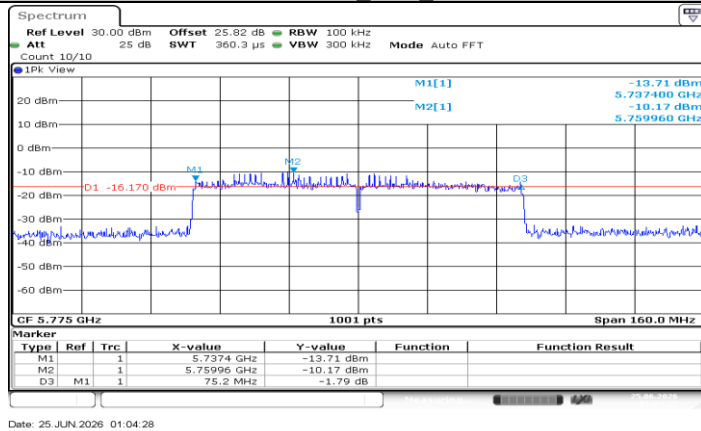
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC80SISO_Ant1_5775

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.64	≤23.98	PASS
		5200	13.46	≤23.98	PASS
		5240	13.38	≤23.98	PASS
		5260	14.71	≤23.98	PASS
		5280	14.61	≤23.98	PASS
		5320	15.68	≤23.98	PASS
		5500	14.41	≤23.98	PASS
		5580	14.65	≤23.98	PASS
		5700	13.97	≤23.98	PASS
		5745	17.56	≤30.00	PASS
		5785	16.95	≤30.00	PASS
11N20SISO	Ant1	5825	16.70	≤30.00	PASS
		5180	12.22	≤23.98	PASS
		5200	12.30	≤23.98	PASS
		5240	11.33	≤23.98	PASS
		5260	15.77	≤23.98	PASS
		5280	15.58	≤23.98	PASS
		5320	15.10	≤23.98	PASS
		5500	13.75	≤23.98	PASS
		5580	14.06	≤23.98	PASS
		5700	13.59	≤23.98	PASS
		5745	17.19	≤30.00	PASS
11N40SISO	Ant1	5785	17.06	≤30.00	PASS
		5825	17.03	≤30.00	PASS
		5190	9.90	≤23.98	PASS
		5230	10.27	≤23.98	PASS
		5270	10.19	≤23.98	PASS
		5310	9.92	≤23.98	PASS
		5510	9.73	≤23.98	PASS
		5550	11.34	≤23.98	PASS
11AC80SISO	Ant1	5670	10.45	≤23.98	PASS
		5755	16.62	≤30.00	PASS
		5795	16.53	≤30.00	PASS
		5210	10.25	≤23.98	PASS
		5290	10.76	≤23.98	PASS
		5530	10.64	≤23.98	PASS
	Ant1	5610	12.04	≤23.98	PASS
		5775	16.21	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

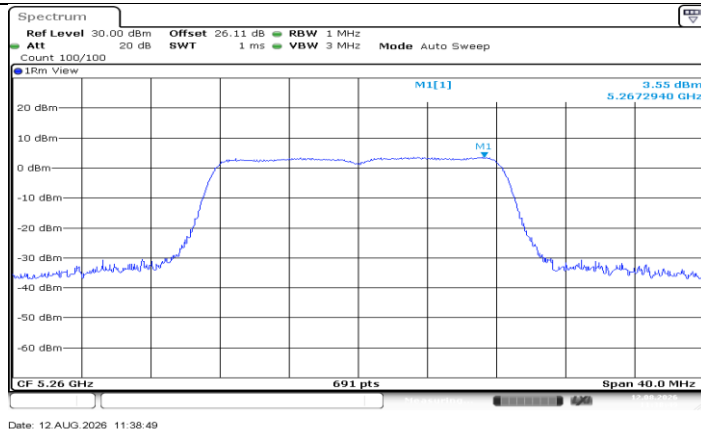
11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

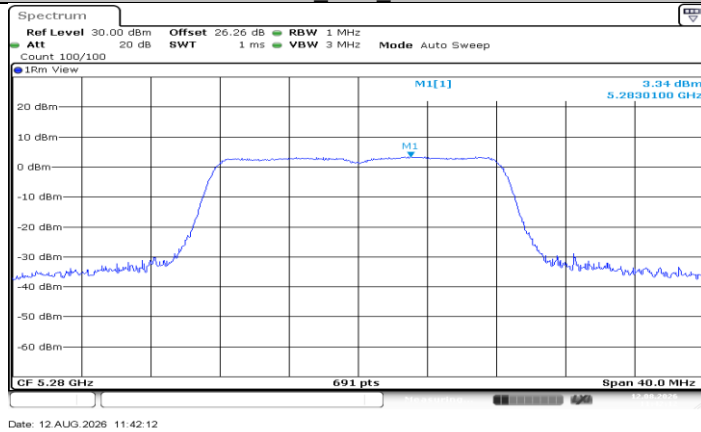
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.44	≤11.00	PASS
		5200	2.09	≤11.00	PASS
		5240	1.96	≤11.00	PASS
		5260	3.55	≤11.00	PASS
		5280	3.34	≤11.00	PASS
		5320	4.54	≤11.00	PASS
		5500	3.32	≤11.00	PASS
		5580	3.27	≤11.00	PASS
		5700	2.71	≤11.00	PASS
		5745	3.33	≤30.00	PASS
		5785	2.67	≤30.00	PASS
11N20SISO	Ant1	5825	2.62	≤30.00	PASS
		5180	0.87	≤11.00	PASS
		5200	0.67	≤11.00	PASS
		5240	-0.11	≤11.00	PASS
		5260	4.34	≤11.00	PASS
		5280	4.04	≤11.00	PASS
		5320	3.64	≤11.00	PASS
		5500	2.63	≤11.00	PASS
		5580	2.60	≤11.00	PASS
		5700	2.14	≤11.00	PASS
		5745	3.08	≤30.00	PASS
11N40SISO	Ant1	5785	2.82	≤30.00	PASS
		5825	2.44	≤30.00	PASS
		5190	-4.70	≤11.00	PASS
		5230	-3.88	≤11.00	PASS
		5270	-3.93	≤11.00	PASS
		5310	-4.52	≤11.00	PASS
		5510	-3.86	≤11.00	PASS
		5550	-3.14	≤11.00	PASS
11AC80SISO	Ant1	5670	-3.31	≤11.00	PASS
		5755	-0.70	≤30.00	PASS
		5795	-0.35	≤30.00	PASS
		5210	-6.93	≤11.00	PASS
		5290	-6.44	≤11.00	PASS
		5530	-6.85	≤11.00	PASS
	Ant1	5610	-4.63	≤11.00	PASS
		5775	-4.43	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

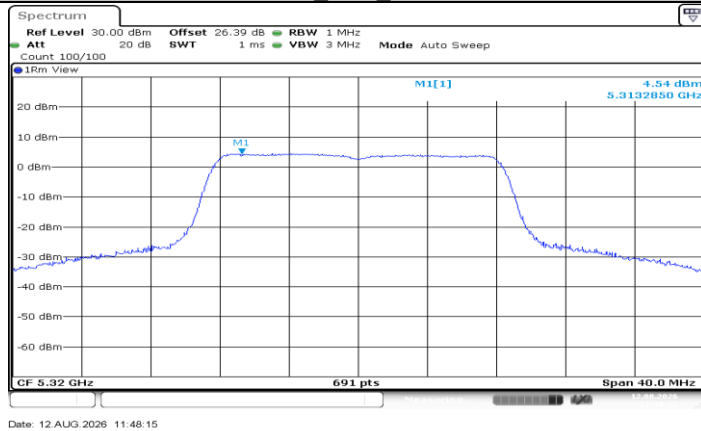
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



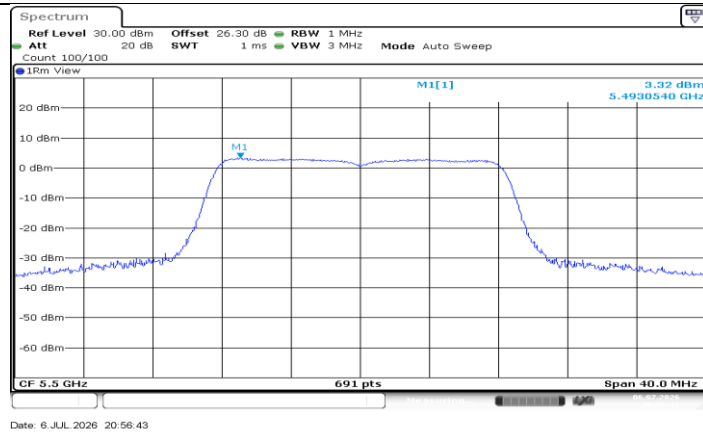
11A Ant1 5260



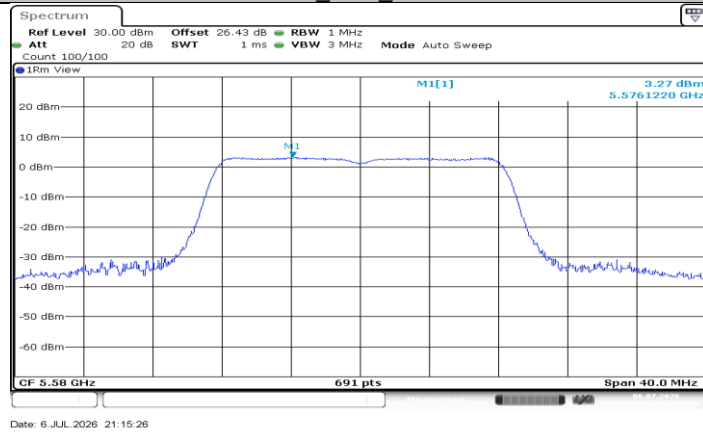
11A Ant1 5280



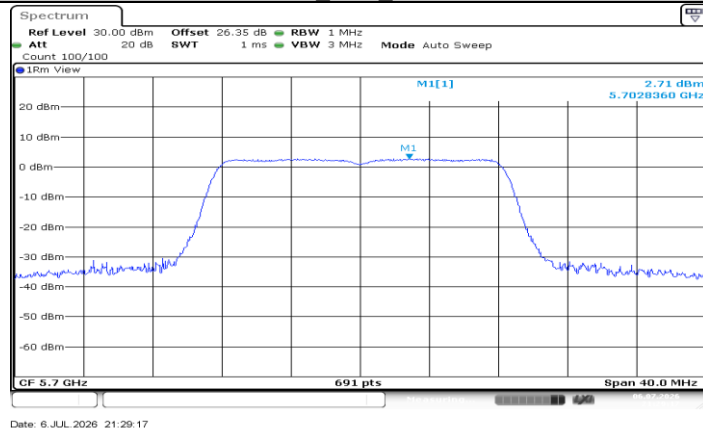
11A Ant1 5320



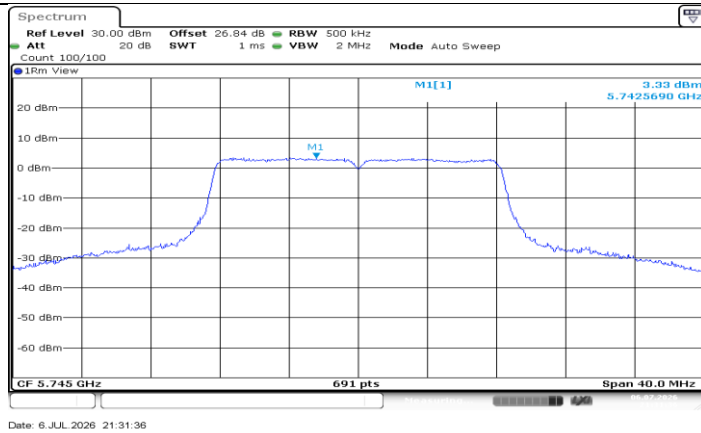
11A Ant1 5500



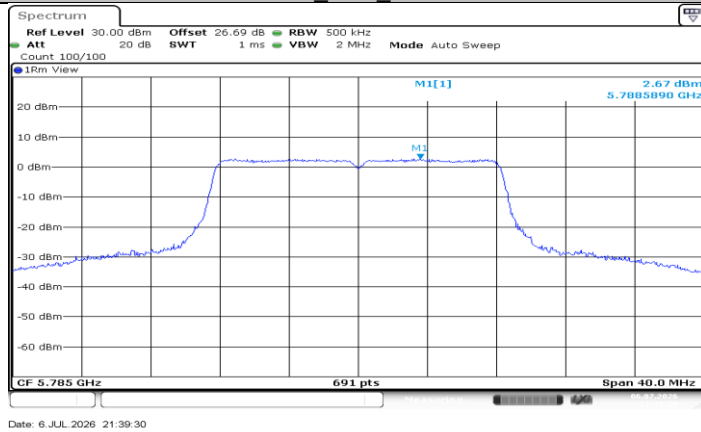
11A Ant1 5580



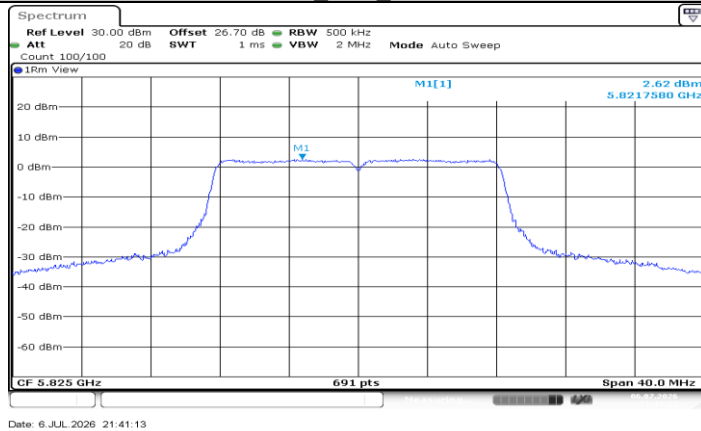
11A Ant1 5700



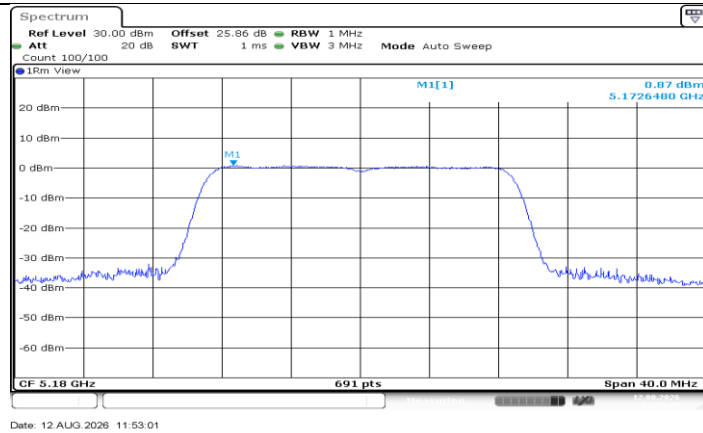
11A Ant1 5745



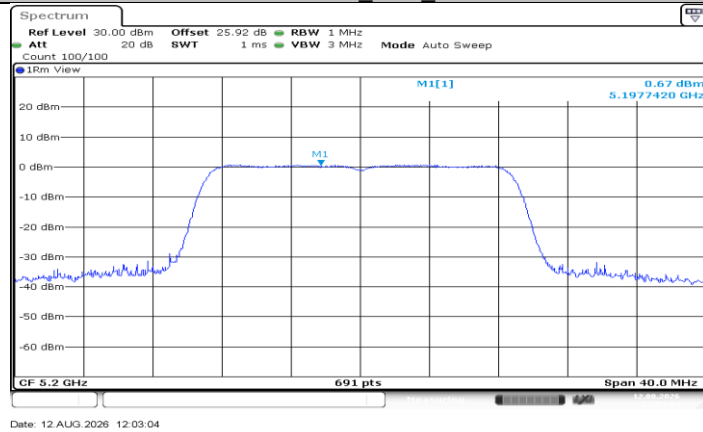
11A Ant1 5785



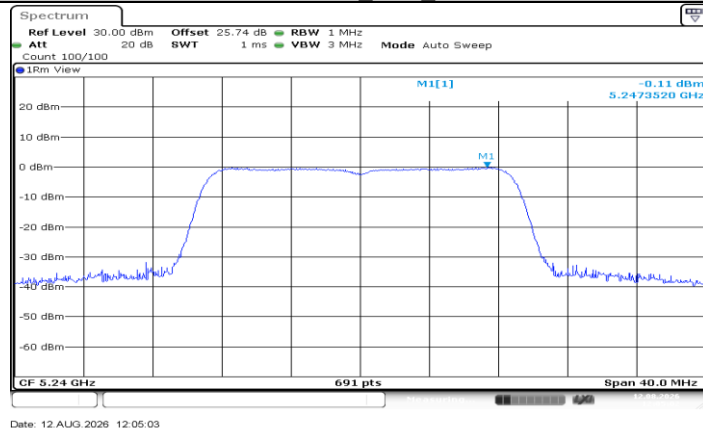
11A Ant1 5825



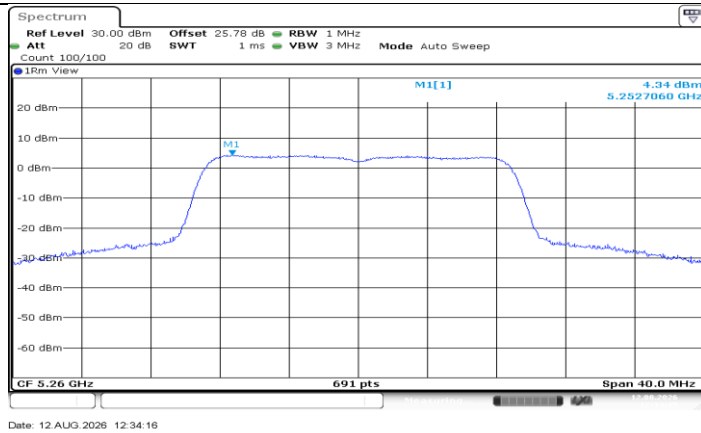
11N20SISO_Ant1_5180



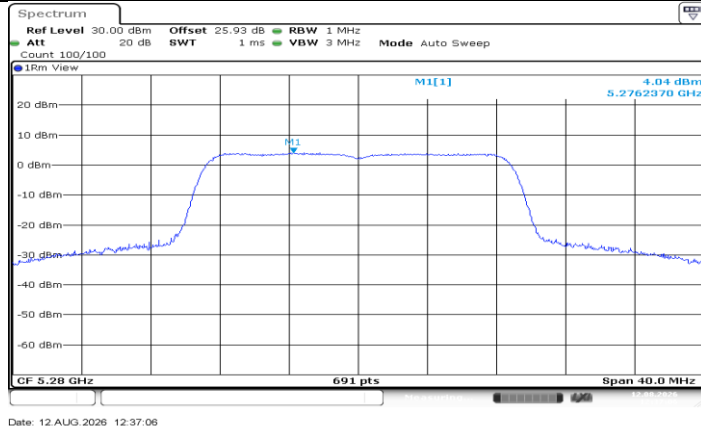
11N20SISO_Ant1_5200



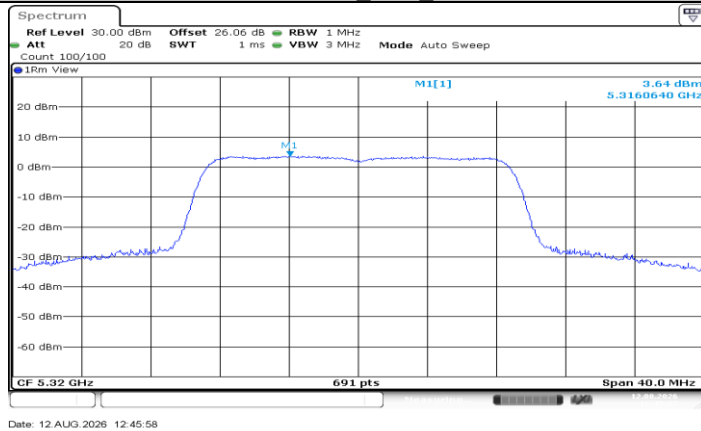
11N20SISO_Ant1_5240



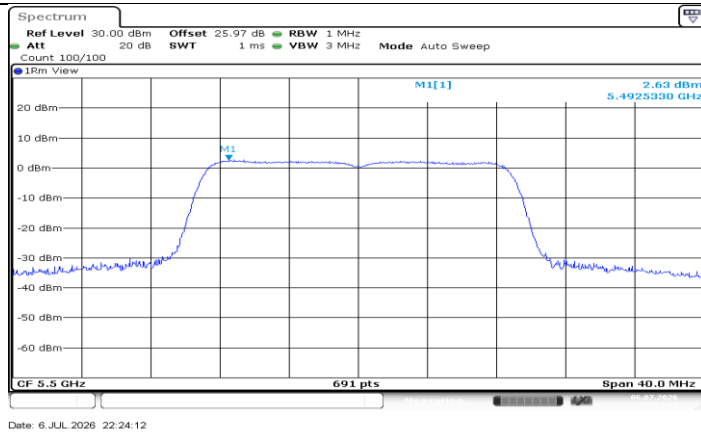
11N20SISO_Ant1_5260



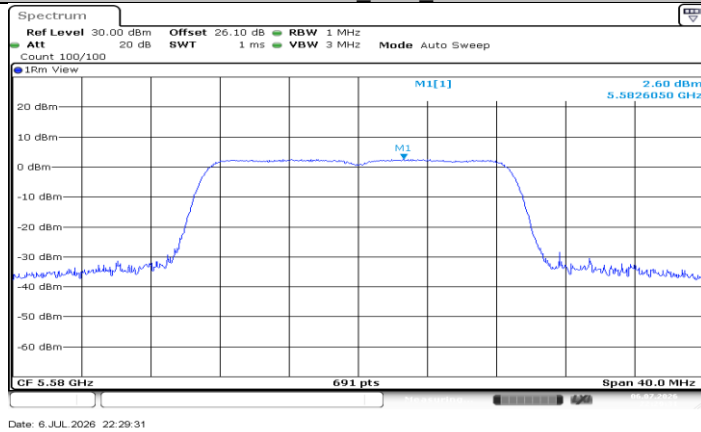
11N20SISO_Ant1_5280



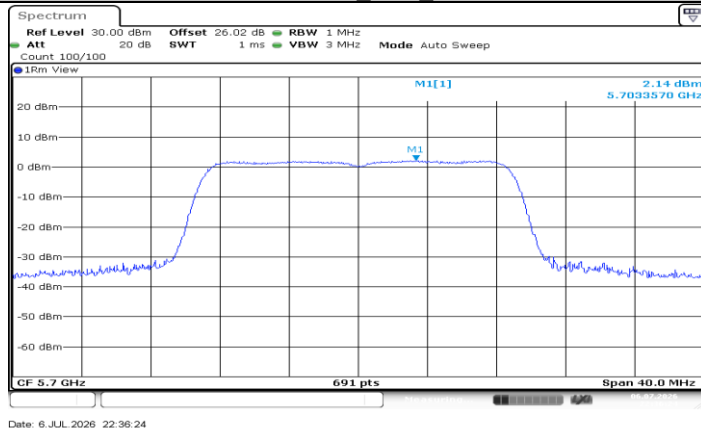
11N20SISO_Ant1_5320



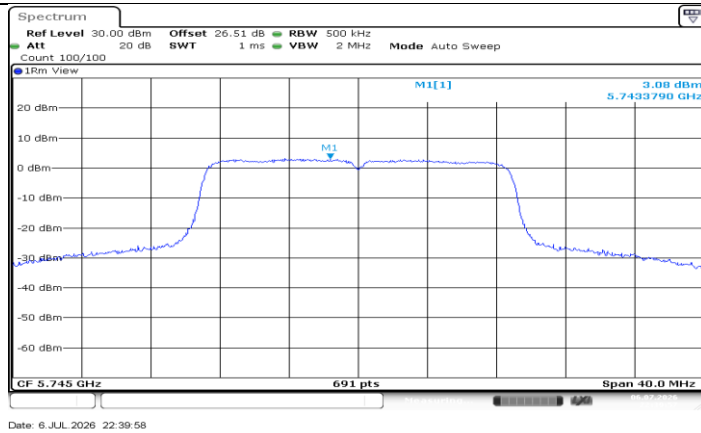
11N20SISO_Ant1_5500



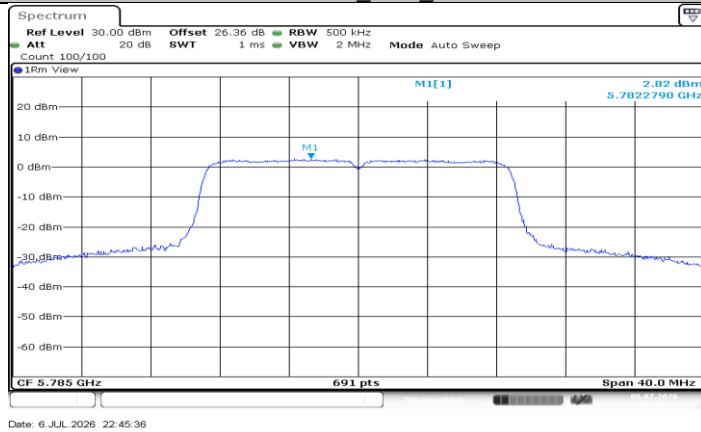
11N20SISO_Ant1_5580



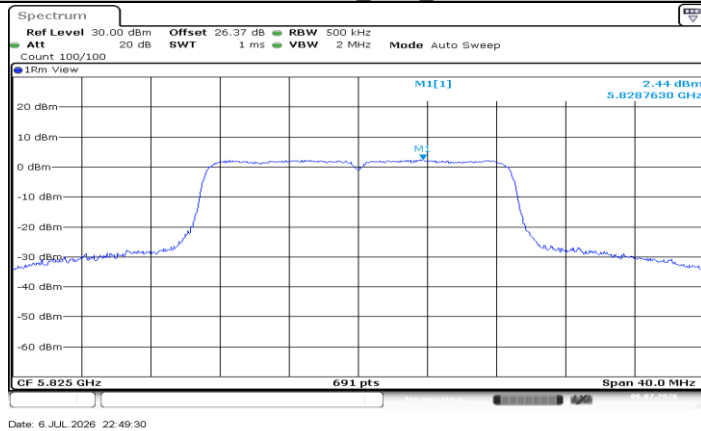
11N20SISO_Ant1_5700



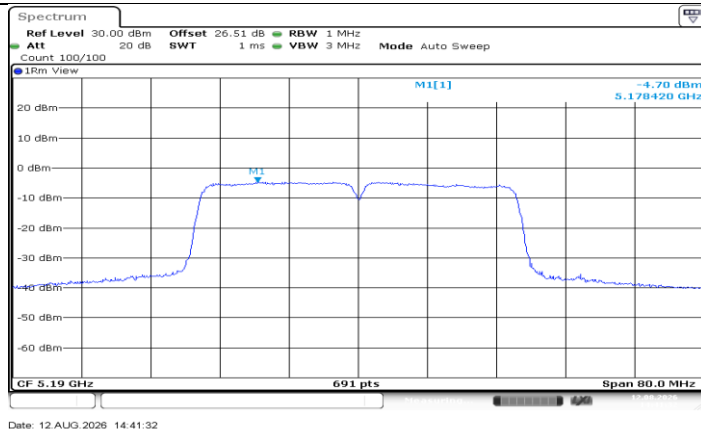
11N20SISO_Ant1_5745



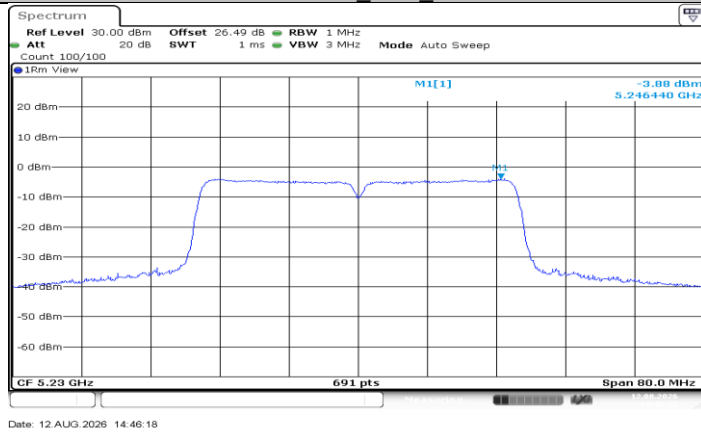
11N20SISO_Ant1_5785



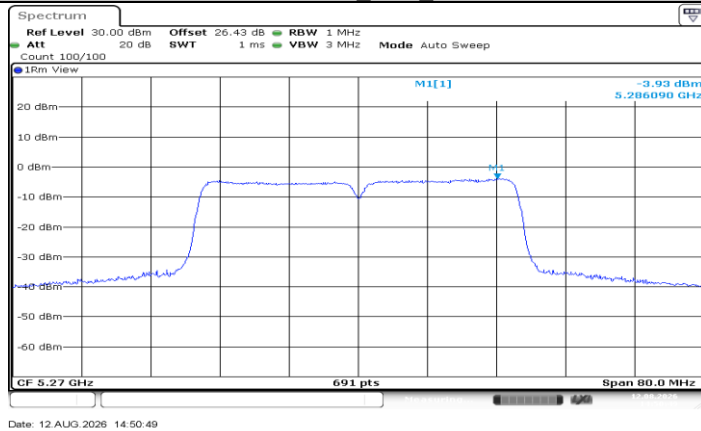
11N20SISO_Ant1_5825



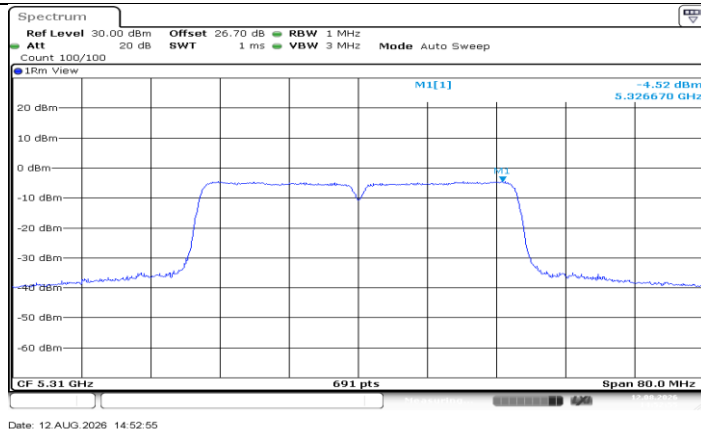
11N40SISO_Ant1_5190



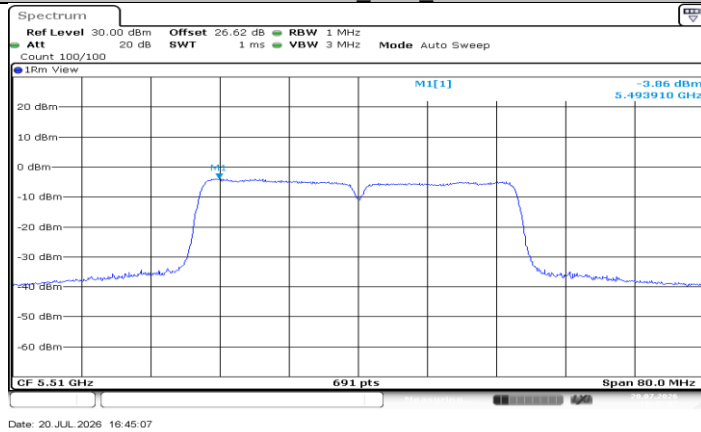
11N40SISO_Ant1_5230



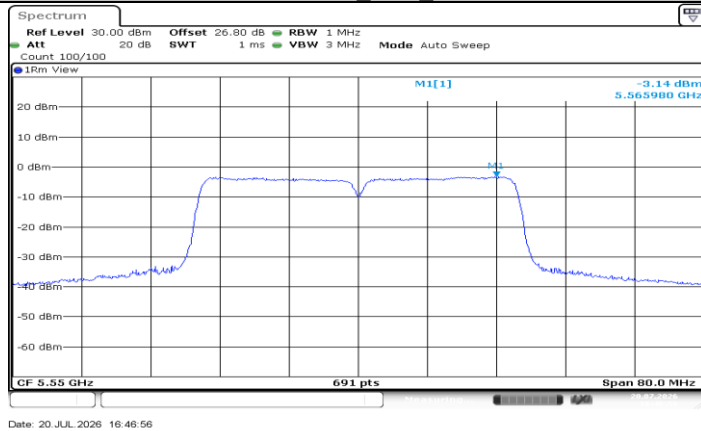
11N40SISO_Ant1_5270



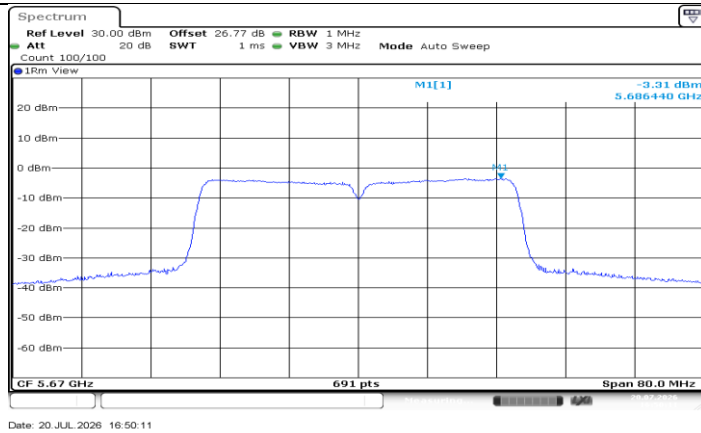
11N40SISO_Ant1_5310



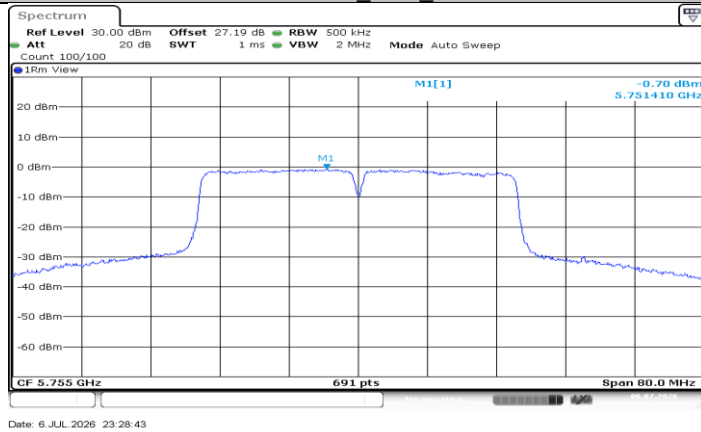
11N40SISO_Ant1_5510



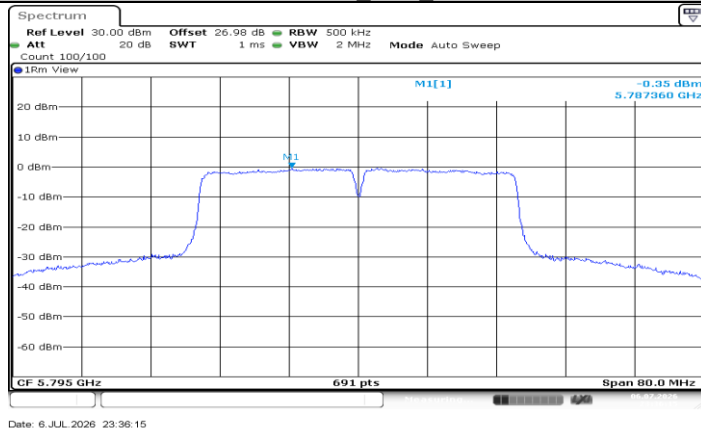
11N40SISO_Ant1_5550



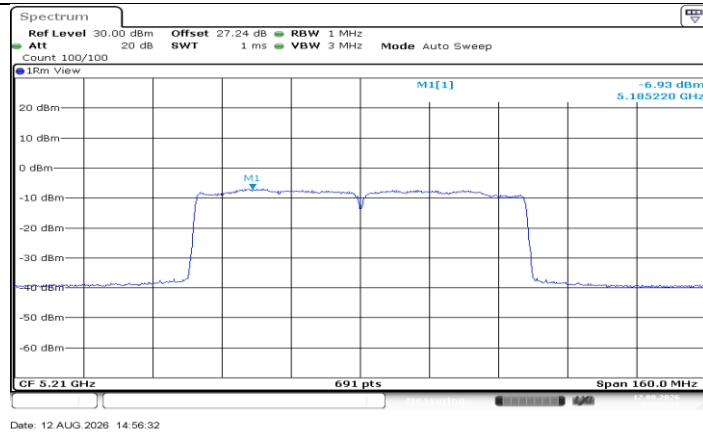
11N40SISO_Ant1_5670



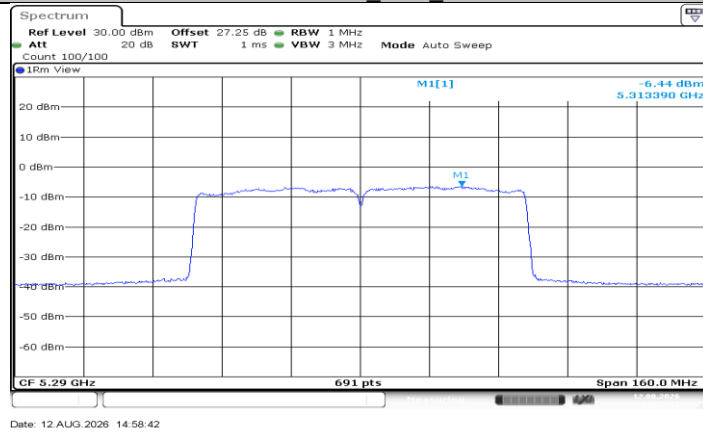
11N40SISO_Ant1_5755



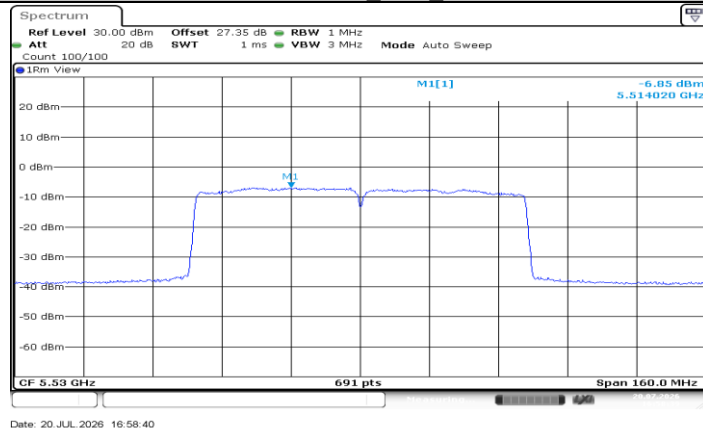
11N40SISO_Ant1_5795



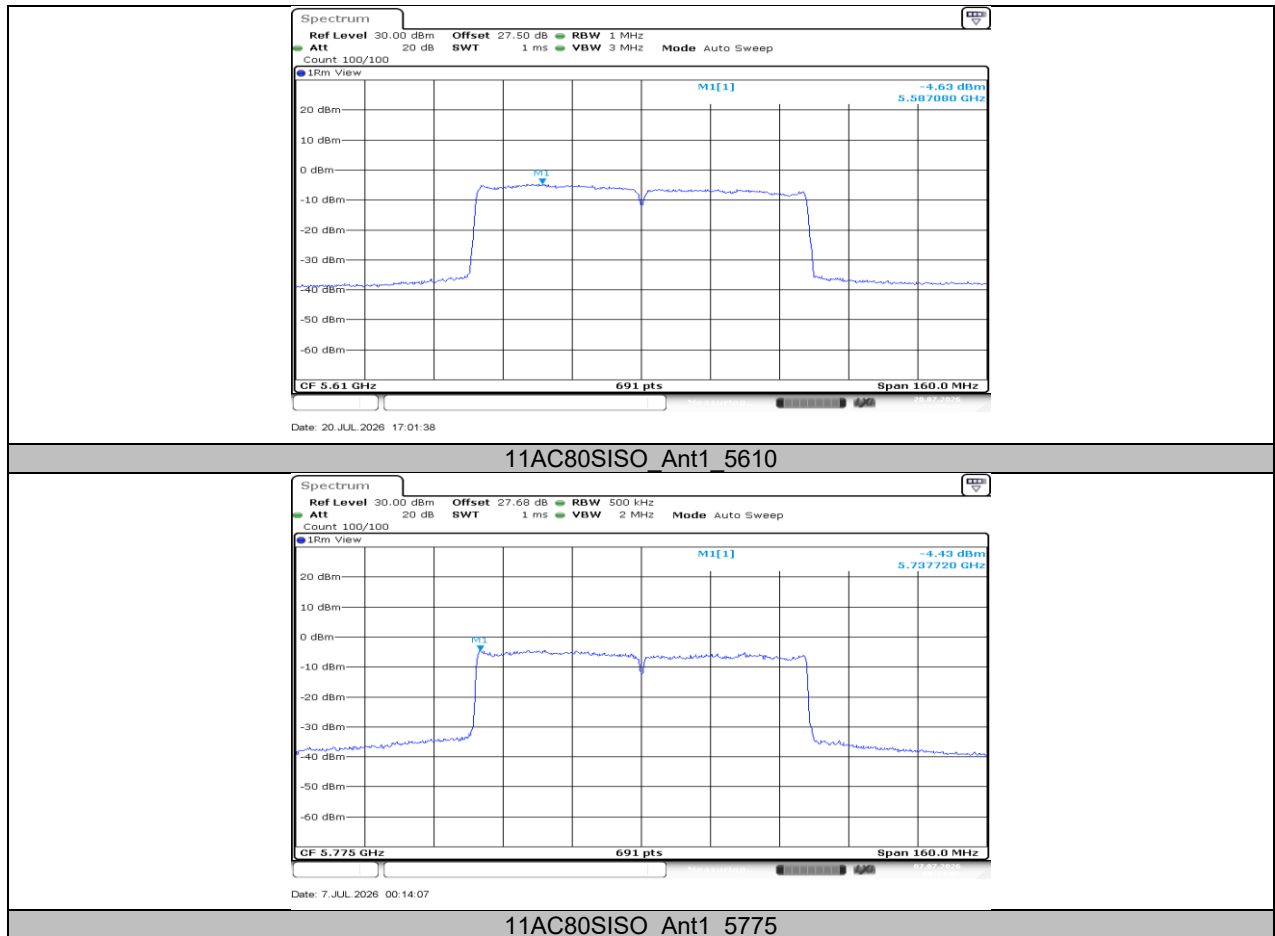
11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11.6. APPENDIX I: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0101	1.95	5199.9802	-3.81	5200.0009	0.17	5200.0087	1.66
TN	VN	5199.9891	-2.09	5200.0095	1.82	5200.0038	0.73	5199.9825	-3.37
TN	VH	5199.9889	-2.13	5200.0235	4.52	5199.9812	-3.61	5200.0089	1.72
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5199.9948	-1.01	5200.0057	1.10	5199.9994	-0.12	5200.0225	4.33
60	VN	5199.9844	-3.00	5199.9838	-3.12	5200.0236	4.54	5200.0190	3.66
50	VN	5199.9822	-3.42	5200.0120	2.30	5199.9857	-2.75	5200.0177	3.40
40	VN	5200.0095	1.82	5200.0143	2.75	5199.9813	-3.60	5199.9803	-3.78
30	VN	5200.0065	1.24	5199.9871	-2.48	5199.9922	-1.51	5199.9760	-4.62
20	VN	5199.9801	-3.83	5200.0024	0.46	5199.9861	-2.68	5200.0025	0.48
10	VN	5199.9797	-3.91	5199.9901	-1.90	5200.0162	3.11	5200.0120	2.32
0	VN	5200.0173	3.34	5200.0041	0.79	5200.0097	1.86	5199.9772	-4.38
-10	VN	5200.0001	0.03	5200.0076	1.45	5200.0203	3.91	5199.9995	-0.10

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

11.7. APPENDIX J: DUTY CYCLE**11.7.1. Test Result**

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.35	1.65	0.8182	81.82	0.87	0.74	1
11N20SISO	1.14	1.29	0.8837	88.37	0.54	0.88	1
11N40SISO	0.57	0.75	0.7600	76.00	1.19	1.75	2
11AC80SISO	0.28	0.43	0.6512	65.12	1.86	3.57	4

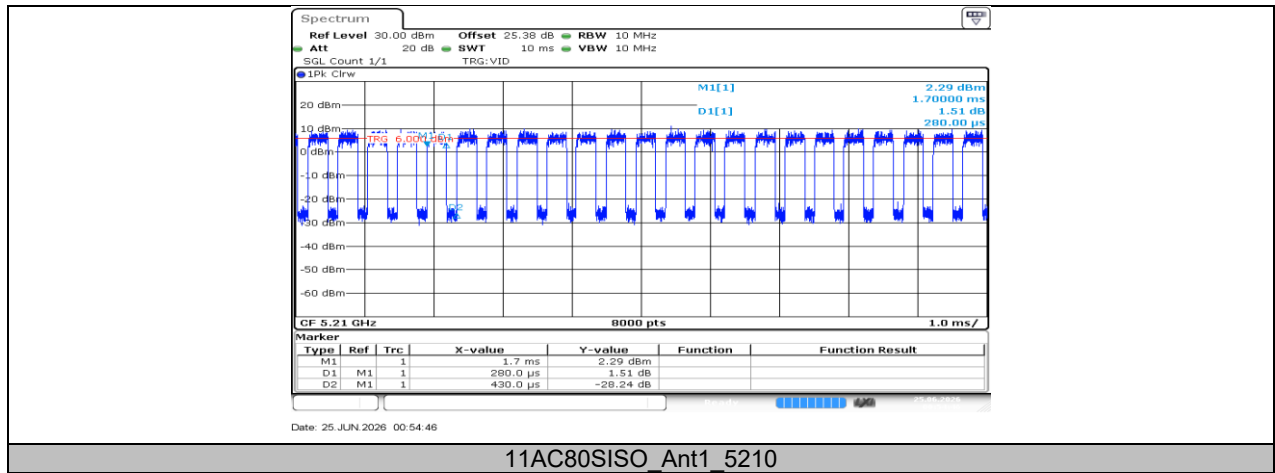
Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

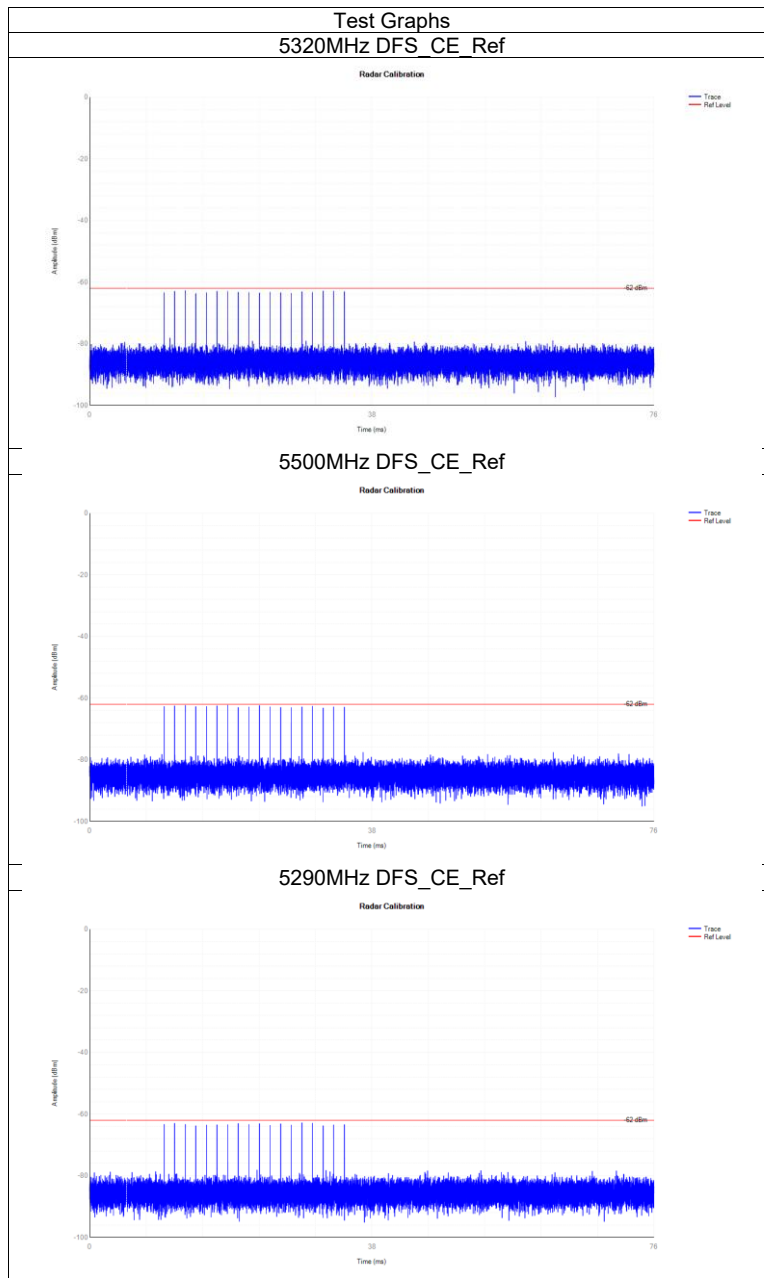


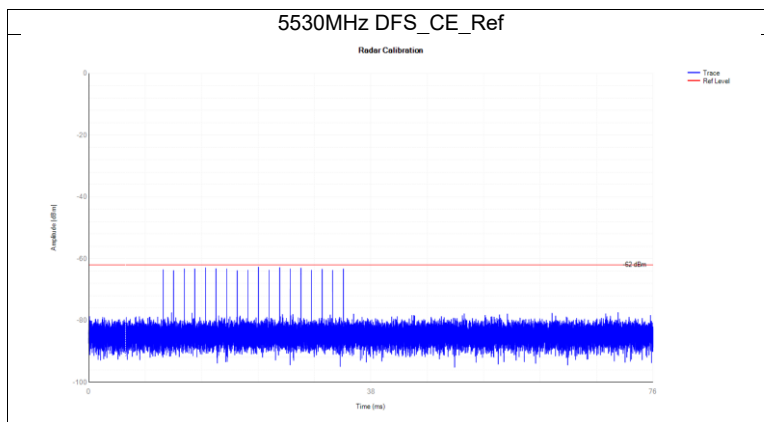
11AC80SISO_Ant1_5210

11.8. APPENDIX K: DFS

11.8.1. Calibration

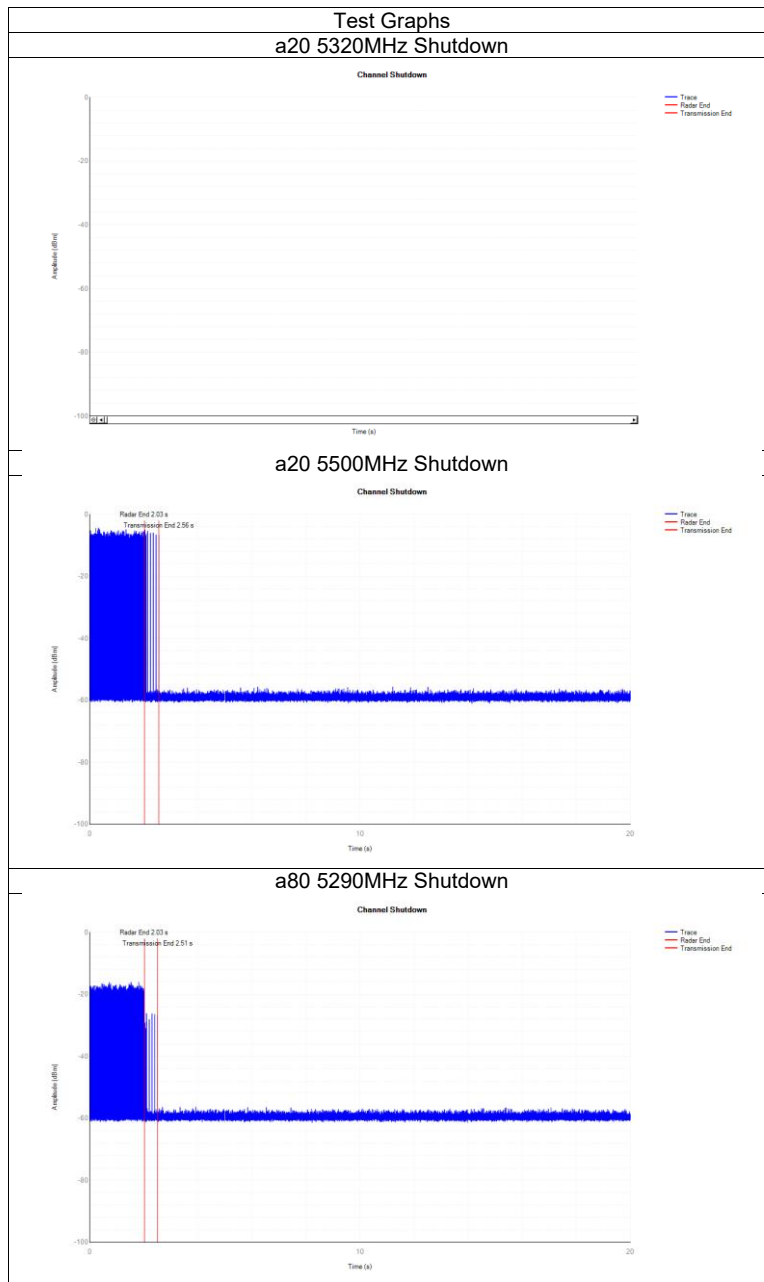
Mode	Frequency (MHz)	Type	Result	Verdict
a20	5320	DFS CE Ref	See test Graph	Pass
a20	5500	DFS CE Ref	See test Graph	Pass
a80	5290	DFS CE Ref	See test Graph	Pass
a80	5530	DFS CE Ref	See test Graph	Pass

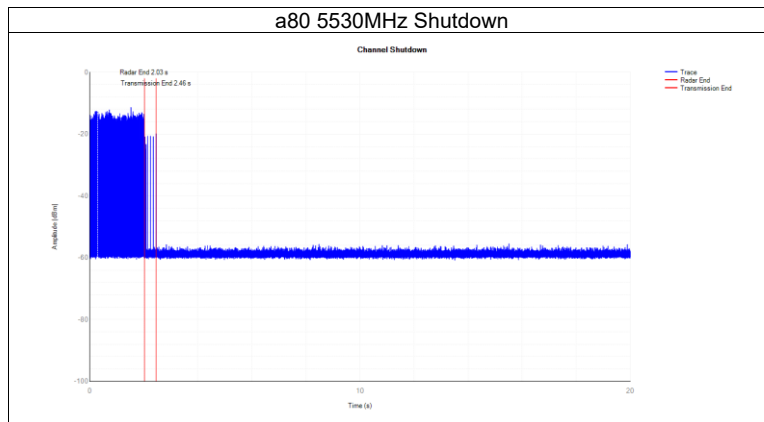




11.8.2. Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Verdict
a20	5320	0.437	10	0.018	1	Pass
a20	5500	0.53	10	0.021	1	Pass
a80	5290	0.484	10	0.02	1	Pass
a80	5530	0.432	10	0.021	1	Pass





END OF REPORT